

## § 34.25-20

(f) Distribution piping shall be used for no other purpose.

(g) All piping shall be thoroughly cleaned and flushed before installation of the water spray nozzles.

### § 34.25-20 Spray nozzles—T/ALL.

(a) Spray nozzles shall be of an approved type.

### § 34.25-90 Installations contracted for prior to January 1, 1964—T/ALL.

(a) Installations contracted for prior to January 1, 1964, shall meet the following requirements:

(1) Existing arrangements, materials, and facilities previously approved shall be considered satisfactory so long as they meet the minimum requirements of this paragraph and they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection. Minor repairs and alterations may be made to the same standards as the original installation.

(2) The details of the systems shall be in general agreement with §§34.25-5 through 34.25-20 insofar as is reasonable and practicable.

## Subpart 34.30—Automatic Sprinkler Systems, Details

### § 34.30-1 Application—TB/ALL.

Automatic sprinkler systems shall comply with NFPA 13-1996.

[CGD 95-028, 62 FR 51199, Sept. 30, 1997]

## Subpart 34.50—Portable and Semiportable Extinguishers

### § 34.50-1 Application—TB/ALL.

(a) The provisions of this subpart, with the exception of §34.50-90, shall apply to all vessels contracted for on or after January 1, 1962.

(b) All vessels contracted for prior to January 1, 1962, shall meet the requirements of §34.50-90.

### § 34.50-5 Classification—TB/ALL.

(a) Portable and semiportable extinguishers shall be classified by a combination letter and number symbol. The letter indicating the type of fire which the unit could be expected to extinguish, and the number indicating the relative size of the unit.

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(b) The types of fire will be designated as follows:

(1) “A” for fires in ordinary combustible materials such as mattresses, piles of wood, shavings, canvas, etc., where the quenching and cooling effects of quantities of water, or solutions containing large percentages of water, are of first importance.

(2) “B” for fires in combustible or flammable liquids such as gasoline, lubricating oil, diesel oil, greases, etc., where a blanketing or smothering effect is essential.

(3) “C” for fires in electrical equipment where the use of non-conducting extinguishing agent is of first importance so that electrical shock is not experienced by the firefighter.

(c) The number designations for size will start with “I” for the smallest to “V” for the largest. Extinguishers which have a gross weight of 55 pounds or less when fully charged are considered portable. Extinguishers which have a gross weight of more than 55 pounds when fully charged are considered semiportable and shall be fitted with suitable hose and nozzle or other practicable means so that all portions of the space concerned may be reached. Examples of size graduations for some of the typical portable and semiportable extinguishers are set forth in table 34.50-5(c).

TABLE 34.50-5(c)

Classification type (Size)	Soda-acid and water (Gallons)	Foam (Gallons)	Carbon dioxide (Pounds)	Dry chemical (Pounds)
A-II .....	2½	2½	.....	.....
B-I .....	.....	1¼	4	2
B-II .....	.....	2½	15	10
B-III .....	.....	12	35	20
B-IV .....	.....	20	50	30
B-V .....	.....	40	100	50
C-I .....	.....	.....	4	2
CC-II .....	.....	.....	15	10

<sup>1</sup> For outside use, double the amount shall be carried.

### § 34.50-10 Location—TB/ALL.

(a) Approved portable and semiportable extinguishers shall be installed in accordance with table 34.50-10(a). The location of the equipment shall be such as in the opinion of the Officer in Charge, Marine Inspection, will be most convenient in case of emergency. Where special circumstances exist, not covered by table

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34.50–10(a), the Officer in Charge, Marine Inspection, may require such additional equipment as he deems necessary for the proper protection of the vessel.

(b) For additional portable extinguishers as a substitute for sand, see § 34.55–10.

(c) Semiportable extinguishers shall be located in the open so as to be readily seen.

(d) If portable extinguishers are not located in the open or behind glass so

that they may be readily seen they may be placed in enclosures together with the fire hose, provided such enclosures are marked as required by § 35.40–25 of this subchapter.

(e) Portable extinguishers and their stations shall be numbered in accordance with § 35.40–25 of this subchapter.

(f) Hand portable or semiportable extinguishers which are required on their nameplates to be protected from freezing shall not be located where freezing temperatures may be expected.

TABLE 34.50–10(a)—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS

Tank ships		Area	Tank barges	
Quantity and location	Classification (see § 34.50–5)		Classification (see § 34.50–5)	Quantity and loca- tion
		<i>Safety Areas</i>		
1 required .....	C-II .....	Wheelhouse and chartroom area. ...	.....	None required.
1 required in vicinity of exit	C-II <sup>1</sup> .....	Radio room .....	.....	None required.
		<i>Accommodation Areas</i>		
1 required in each main passageway on each deck, conveniently lo- cated, and so that no room is more than 75 feet from an extinguisher.	A-II or B-II .....	Staterooms, toilet spaces, public spaces, offices, etc., and associ- ated lockers, storerooms, and pantries..	A-II or B-II .....	1 required in vicini- ty of exit
		<i>Service Areas</i>		
1 required for each 2,500 square feet or fraction thereof, suitable for haz- ard involved.	B-II or C-II .....	Galleys .....	B-II or C-II .....	1 required, suitable for hazard in- volved.
1 required for each 2,500 square feet or fraction thereof, suitable for haz- ard involved.	A-II or B-II .....	Stores areas, including paint and lamp rooms.	.....	None required.
		<i>Machinery Area</i> <sup>2</sup>		
2 required <sup>3</sup> .....	B-II .....	Spaces containing oil fired boilers, either main or auxiliary, or any fuel oil units subject to the dis- charge pressure of the fuel oil service pump.	B-II .....	1 required. <sup>12</sup>
1 required .....	and	Spaces containing internal combus- tion or gas turbine propulsion ma- chinery.	.....	None required.
1 required for each 1,000 B.H.P., but not less than 2 nor more than 6 <sup>5</sup> .	B-II .....			
1 required <sup>6 7</sup> .....	and	Auxiliary spaces containing internal combustion or gas turbine units.	B-II .....	1 required in vicini- ty of exit. <sup>7 9 12</sup>
1 required in vicinity of exit <sup>7</sup> .	B-II .....			
1 required in vicinity of exit <sup>8</sup> .	C-II .....	Auxiliary spaces containing emer- gency generators.	.....	None required.
		<i>Cargo Areas</i>		
1 required in lower pump- room.	B.II .....	Pumprooms .....	B-II .....	1 required in vicini- ty of exit. <sup>9 12</sup>
None required .....	.....	Cargo tank area .....	B-II .....	2 required. <sup>10 12</sup>
			B-V .....	1 required. <sup>9 11</sup>

<sup>1</sup> Vessels not on an international voyage may substitute 2 C-I.

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<sup>2</sup>A C-II shall be immediately available to the service generator and main switchboard areas, and further, a C-II shall be conveniently located not more than 50 feet walking distance from any point in all main machinery operating spaces. These extinguishers need *not* be in addition to other required extinguishers.

<sup>3</sup>Vessels of less than 1,000 gross tons require 1.

<sup>4</sup>Vessels of less than 1,000 gross tons may substitute 1 B-IV.

<sup>5</sup>Only 1 required for vessels under 65 feet in length.

<sup>6</sup>If oil burning donkey boiler fitted in space, the B-V previously required for the protection of the boiler may be substituted. Not required where a fixed carbon dioxide system is installed.

<sup>7</sup>Not required on vessels of less than 300 gross tons if fuel has a flashpoint higher than 110 °F.

<sup>8</sup>Not required on vessels of less than 300 gross tons.

<sup>9</sup>Not required if fixed system installed.

<sup>10</sup>If no cargo pump on barge, only one B-II required.

<sup>11</sup>Manned barges of 100 gross tons and over only.

<sup>12</sup>Not required on unmanned barges except during transfer of cargo, or operation of barge machinery, or boilers. (See § 35.35-1(c) of this chapter.)

[CGFR 65-50, 30 FR 16694, Dec. 30, 1965, as amended by CGFR 70-143, 35 FR 19905, Dec. 30, 1970]

### § 34.50-15 Spare charges—TB/ALL.

(a) Spare charges shall be carried on all vessels for at least 50 percent of each size and each variety, i.e. foam, soda-acid, carbon dioxide, etc., of portable extinguisher required by § 34.50-10(a). However, if the unit is of such variety that it cannot be readily recharged by the vessel's personnel, one spare unit of the same classification shall be carried in lieu of spare charges for all such units of the same size and variety. This section does not apply to unmanned barges.

(b) Spare charges shall be so packaged as to minimize the hazards to personnel while recharging the units.

### § 34.50-20 Semiportable fire extinguishers—TB/ALL

(a) The frame or support of each size III, IV, and V fire extinguisher required by table 34.50-10(a) must be welded or otherwise permanently attached to a bulkhead or deck.

(b) If a size III, IV, or V fire extinguisher has wheels and is not required by table 34.50-10(a), it must be securely stowed when not in use to prevent it from rolling out of control under heavy sea conditions.

[CGD 77-039, 44 FR 34132, June 14, 1979]

### § 34.50-90 Vessels contracted for prior to January 1, 1962—TB/ALL.

(a) Vessels contracted for prior to January 1, 1962, shall meet the following requirements:

(1) The provisions of §§ 34.50-5 through 34.50-15 shall be met with the exception that existing installations may be maintained if in the opinion of the Officer in Charge, Marine Inspection, they are in general agreement

with the degree of safety prescribed by table 34.50-10(a). In such cases, minor modifications may be made to the same standard as the original installation: *Provided*, That in no case will a greater departure from the standards of table 34.50-10(a) be permitted than presently exists.

(2) [Reserved]

(b) [Reserved]

## Subpart 34.60—Fire Axes

### § 34.60-1 Application—T/ALL.

(a) The provisions of this subpart shall apply to all tankships.

(b) [Reserved]

### § 34.60-5 Number required—T/ALL.

(a) All tankships shall carry at least the minimum number of fire axes as set forth in table 34.60-5(a). Nothing in this paragraph shall be construed as limiting the Officer in Charge, Marine Inspection, from requiring such additional fire axes as he deems necessary for the proper protection of the tankship.

TABLE 34.60-5(a)

Gross tons		Number of axes
Over	Not over	
	50	1
50	200	2
200	500	3
500	1,000	4
1,000	.....	5

(b) [Reserved]

### § 34.60-10 Location—T/ALL.

(a) Fire axes shall be distributed throughout the spaces so as to be most readily available in the event of emergency.